

receiving data addressed to a mobile host at a home agent on the network;

initiating a page request from the home agent;

directing the page request from the home agent to at least one of the base stations in a current paging area of the mobile host;

receiving a page response from the mobile host at a base station in the current paging area; and

delivering the data addressed to the mobile host.

30. (Previously Presented) A method of paging mobile hosts over an Internet protocol (IP) network comprising:

coupling base stations to the IP network wherein one or more base stations define associated paging areas;

receiving data addressed to a mobile host at a home agent on the network;

tunneling the data from the home agent to a designated foreign agent on the network;

receiving a page response from the mobile host at a base station in the current paging area of the host; and

delivering the data addressed to the mobile host.

### **REMARKS**

#### **A. Allowed Claims**

Applicants wish to thank the Examiner for indicating that claims 15-24 and 28 are allowable.

**B. The Section 103 rejections of claims 3, 7, 29, and 30**

Claims 3.7, 29, and 30 were rejected under 35 U.S.C. §103(a) as being unpatented over Onoe et al. ("Onoe") in view of Hall et al. ("Hall").

Applicants respectively disagree and traverse these rejections for at least the following reasons.

Each of the claims of the present invention requires the paging of a mobile host over an Internet Protocol (IP) network, including the steps of, among other things: (a) coupling base stations to an IP network, where the coupled base stations define an associated paging area; (b) the reception of data, addressed to a mobile host, by a home agent (or foreign agent via the home agent) on the IP network; (c) initiating a page request from the home agent located on the IP network; and (d) directing the page request from the home agent located on the IP network to at least one of the base stations. Applicants respectively submit that the combination of Onoe and Hall does not disclose or suggest these features of claims 3, 7, 29 and 30.

As admitted in the Final Office Action, Onoe does not disclose "wherein the base stations in the network are coupled to an IP network". In addition, applicants submit that Onoe does not disclose or suggest the reception of data addressed to a mobile host at a home agent on an IP network, the initiation of a page request from the home agent located on the IP network or the direction of the page request from the home agent located on the IP network to at least one of the base stations. In sum, Applicants submit that, Onoe does not disclose or suggest the features of the independent claims of the present invention, many

of which involve an IP network. Nor does Hall make up for the deficiencies of Onoe.

As indicated in previous responses, Hall does not disclose or suggest the direction of a page request from home agent to at least one base station in the paging area of a mobile host or the tunneling of data from a home agent to a designated foreign agent as required by Claims 3-7, 9-13, 21-23, 29-30. Instead, Hall appears to disclose the sending of a first message to all cells within the paging area of a packet of data node (PDN); not to a base station within the paging area of a mobile host. In addition, if a so-called "acknowledgement" to such a first message is not received, Hall appears to disclose the sending of a second message.

This is inapposite to the subject matter of the claims of the present invention. Accordingly, Applicants respectively submit that the combination of Onoe and Hall does not disclose or suggest the subject matter of Claims 3, 7, 29, and 30. Applicants respectively request withdrawal of the rejections and allowance of claims 3, 7, 29, and 30.

**C. The Section 103 rejections of claims 4-6 and 9**

Claims 4-6 and 9 were rejected under U.S.C. §103(a) as being obvious in view of Onoe and Hall and in further view of Lorello et al. (Lorello). Applicants, respectively disagree and traverse these rejections for at least the following reasons.

Initially, Applicants note that these claims depend upon either claims 29 or 30 and are, therefore, patentable over the combination of Onoe, Hall and

Lorello for the reasons set forth above because Lorello does not nothing to overcome the deficiencies discussed above.

In addition, Applicants acknowledge the admission by the Examiner in the Final Office Action that the combination of Onoe and Hall also fails to disclose the buffering of data addressed to [a] mobile host...while the host is in an active state.”

Accordingly, the Applicants respectively request withdraw of the pending rejections and allowance of Claims 4-6 and 9.

**D. The Section 103 rejections of claims 10-13**

Claims 10-13 were rejected under 35 U.S.C. §103(a) as being obvious in view of Onoe, Hall, Lorello and in further view of Sawyer et al. (Sawyer). Applicants respectively disagree and traverse these rejections for at least the following reasons.

Initially, Applicants note that claim 10 ultimately depends on independent claim 30 and is, therefore, patentable over the combination of Onoe, Hall, Lorello and Sawyer the reasons set forth above with respect to claim 30.

In addition, Applicants note the Examiners admission that the combination of Onoe, Hall and Lorello do not disclose or suggest the initiation of a page request from a foreign agent and directing the page request to at least one of the base stations in the paging area of a host.

For these and other reasons, Applicants respectively submit that the combination of Onoe, Hall, Lorello and Sawyer does not disclose or suggest the

subject matter claims 10-13. Applicants respectfully request withdrawal of the pending rejections and allowance of claims 10-13.

**E. Entry of Request for Reconsideration After Final Rejection**

Entry of this Request for Reconsideration ("Request") is requested because the Request: (a) places the application in condition for allowance for the reasons discussed herein; (b) does not raise any new issues regarding further search and/ or considerations; (c) does not present any additional claims without canceling the corresponding number of finally rejected claims; and (d) places the application in better form for appeal, if any appeal is necessary. Entry of the Request is thus respectfully requested.


In the event this Response does not place the present application in condition for allowance, Applicants request the Examiner to contact the undersigned at (703) 668-8000 to schedule a personal interview.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

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By



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